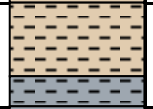
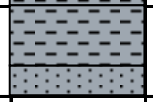
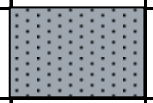
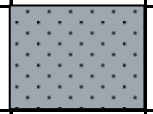
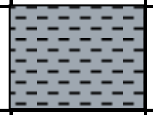
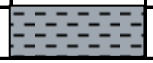
Sample Description For Virginia Beach Geoprobe Site 61C 35

Depth	Lithology	Recovery	Description
0-4		90	Silty fine to v fine sand. Unsaturated.
4-8		100	Similar material to last interval. Upper portion of sample is dry, lower portion is moist. Cannot tell if we have hit the WT. Sample is generally brown becoming grayer near the bottom.
8-11.5		100	Saturated. 8-10.2 is a gray fine to v fine clayey silt. 10.2-11.5 is a gray, slightly silty fine to med sand w/ traces of DM. Transition b/w zones is abrupt.
11.5-16			Driller Note: Change in feel around 15 ft. Same from 16-19.5.
16-19.5		100	Material is similar to that collected at 10.2-11.5, but has less silt and more v fine sand. Much free water is trapped in the middle of the sample barrel.
19.5-24			
24-28		60	Liner split. Collected two bag samples from ~24.5-25 and from ~27 ft. Upper zone is a gray, clean fine to v coarse sand w/ dark minerals and v coarse sand sized shell frags. Lower zone is a gray, fine to v coarse sand w/ abundant fine pebble sized shell frags. Shell is more abundant in lower zone.
28-30			Driller Note: Very easy pushing beginning at 29 ft. No hammer needed. Same material from 30-34 ft.
30-34		100	Silty fine to v fine sand. No shell. Mica and DM present. Material is slightly plastic. It appears to have good porosity (lots of water), but very low permeability.
34-48			Driller Note: Switching to 2 ft sampler. Very easy pushing to 48 ft. No hammer needed. Material feels the same as that just sampled from 30-34.
48-50		95+	Silty v fine to fine sand. Mica and DM are common. Shell frags scarce.

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50-55.5			Driller Note: Change at 52-53 ft. Hammering now needed, but still progressing easily.
55.5-57.5		Not Noted	Med sand to fine pebbly sand. Material is bery permeable.
57.5-71			Driller Note: Pushing is slightly easier beginning at 60-61 ft, but becomes more difficult again by 64 ft. Nearly stopped at 67 ft, but became easier again at 68 ft. This material feels similar to the a clean med sand that we have seen at other sites in the city. Easy, no hammer pushing beginning at 71 ft.
71-73		100	Silty v fine sand. Abundant mica. DM present. Shell frags very scarce. Material from the shoe is nearly dry (water forced out during pushing?). Very little water visible in the sample. Lenses of clayey silt or silty clay visible through liner.
73-82			Driller Note: Hammering required beginning at 75 ft. At 81.5 it became very difficult and nearly stopped the probe. 71-73 is probably a coarser grained version of the material found at 71-73. It is not acting like the clean med sand.
82-84		75	The upper 0.4 ft of the liner was damaged during retrieval and was cut off. Material is a v fine sandy silt to silty v fine sand. Mica is abundant and med sand grain sized to v fine pebble sized shell frags are present. It is moderately plastic when wet, however the sample is mostly dry and